

## Proposal Full View

### Applicant Information

Organization Name City of Santa Barbara \*  
 Tax ID **956000787**  
 Proposal Name Santa Barbara Groundwater Management Plan \*  
 Proposal Objective The development of a GWMP will provide the framework for improved groundwater management, maintain groundwater levels, and protect groundwater quality to ensure the long-term groundwater supply reliability in the Basins. \*

### Budget

Other Contribution	<input type="text" value="\$0.00"/>
Local Contribution	<input type="text" value="\$50,000.00"/>
Federal Contribution	<input type="text" value="\$0.00"/>
Inkind Contribution	<input type="text" value="\$96,640.00"/>
Amount Requested	<input type="text" value="\$248,800.00"/> *
Total Project Cost	<input type="text" value="\$395,440.00"/> *

### Geographic Information

Latitude \* DD(+/-)  MM  SS   
 Longitude \* DD(+/-)  MM  SS

Longitude/Latitude Clarification N/A  
 (clarification not necessary)

Location

City of Santa Barbara (see Figure 1 in Attachment 4, Project Description)

County Santa Barbara \*  
 Ground Water Basin Santa Barbara  
 Hydrologic Region Central Coast

Watershed South Coast Watersheds including Arroyo Burro Creek, Mission Creek, Laguna Channel, and Sycamore Creek Watersheds

### Legislative Information

Assembly District 35th Assembly District \*  
 Senate District 19th Senate District \*  
 US Congressional District District 23 (CA) \*

### Project Information

Project Name City of Santa Barbara Groundwater  

Implementing Organization	City of Santa Barbara
---------------------------	-----------------------

Secondary Implementing Organization	N/A
Proposed Start Date	2/4/2013
Proposed End Date	7/11/2014
Project Scope	The project entails the development of an AB 3030 GWMP.
Project Description	<p>Proper management of groundwater supplies is becoming more urgent, due to emerging issues with water quality and quantity in the Foothill Basin. The City is concerned that water levels in the Foothill Basin have reached levels in the recent past that are similar to levels experienced during the drought of the late 1980's and early 1990's. In addition, nitrate levels in the Foothill Basin have increased to levels that are beginning to cause concerns. The current regulatory limit on nitrate concentrations is 45 mg/L. Nitrate levels measured at the Los Robles production well have been recorded as high as 30 mg/L and historically average around 22 mg/L. The overall trend in concentration is rising and the City would like to actively investigate nutrient inputs to assess how best to manage this issue. Therefore, the development of the GWMP will include investigations on salt and nutrient sources. Ultimately, the City will develop a standalone Salt and Nutrient Management Plan (SNMP) in conformance with the SWRCB Plan components, however, the development of this GWMP will provide a source data and discussion that will inform the complete SNMP. Finally, compounding the water quality problem identified above in the Foothill Basin, there is a high potential of saltwater intrusion into the Storage Unit 1 basin. During the severe drought of the late 1980's and early 1990's, seawater intrusion was experienced due to greater than usual pumping rates. As part of the GWMP, the City will be incorporating results from modeling efforts undertaken with the USGS to assess the vulnerability of the basin to saltwater intrusion and document the steps to be taken to preclude saltwater intrusion from occurring.</p>
Project Objective	<p>The purpose of the GWMP is to (1) develop a better understanding of the groundwater setting and groundwater management opportunities in the Basins; (2) formulate groundwater management components that emphasize the groundwater information and management aspects ; (3) identify projects and programs to improve long-term water supply reliability in the Basin; and establish a regional approach to groundwater management that is accepted in the Basins and recognized by other agencies.</p>

### Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Other-Groundwater Studies	0	Water Supply and Water Reliability
Primary	Other-Groundwater plans developed of updated	0	Salt and Nutrient Management
	Other-		Saltwater

Primary	Groundwater plans developed of updated	0	intrusion in the groundwater basin
---------	--	---	------------------------------------

## Project Objective

## Budget

Other Contribution	0
Local Contribution	50000
Federal Contribution	0
Inkind Contribution	96640
Amount Requested	248800
Total Project Cost	395440

## Geographic Information

Latitude DD(+/-)	34	MM 23	SS 59
Longitude DD(+/-)	119	MM 40	SS 59
Longitude/Latitude Clarification	N/A (clarification)		
Location	City of Santa Barbara (see Figure 1 ii)		

County Santa Barbara Ground Water Basin Santa Barbara Hydrologic Region Central Coast WaterShed  
 South Coast Watersheds including Arroyo Burro Creek, Mission Creek

## Legislative Information

Assembly District	35th Assembly District
Senate District	19th Senate District
US Congressional District	District 23 (CA)

## Section : Applicant Information and Question's Tab

## APPLICANT INFORMATION AND QUESTION'S TAB

## Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

City of Santa Barbara 630 Garden Street, Santa Barbara, California 93101

## Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

Groundwater plays an important role in the City of Santa Barbara's water supply by helping to meet peak summer demand, backing up depleted surface water supplies during droughts, and providing emergency supply in the event of catastrophic interruption of the supplies from other sources. The City of Santa Barbara actively manages its groundwater resources through a variety of methods, such as modeling water quality and quantity monitoring, replenishment, and other related techniques. The City has been diligent in protecting its groundwater supplies and wishes to formalize this role via development and adoption of a Groundwater Management Plan. The City of Santa Barbara's project for the LGA funds is for the development of an AB 3030 Groundwater Management Plan (GWMP) in conformance with California Water Code (CWC) Section 10750 et. seq. and to integrate elements of salt and nutrient planning into the development of the GWMP. The development of a groundwater management plan for the City of Santa Barbara is the next phase in coordinating preparation of a single policy document to address control of saline water intrusion, regulation of the migration of pollutants,

facilitating conjunctive use, wellhead protection, and coordination with regulatory agencies and other stakeholders within the groundwater basins. The development of a GWMP will provide a better understanding as to the sustainability of the groundwater yield and water quality of the local groundwater basins. BMOs will be developed in the GWMP for, but not limited to, water levels, nitrate, and chloride. Quantitative thresholds will be set for each BMO to ensure the beneficial uses of the Basins are preserved and undesirable effects (e.g. seawater intrusion) are mitigated. The BMOs will be tracked by monitoring groundwater levels and quality in the Basins to determine the type and magnitude of the local groundwater issue and identify potential projects and management activities to address these issues. The proposed GWMP would identify groundwater management issues within the Plan area and develop BMOs that identify groundwater management activities linked to each BMO. The BMOs will include objectives for water levels, water quality, etc. The activities associated with the development of the BMOs will address the groundwater management components in the proposed GWMP.

### Q3. Project Director:

**Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.**

Rebecca Bjork, Water Resources Manager City of Santa Barbara Water Resources Division, Public Works Department PO BOX 1990, Santa Barbara, 93102 T:(805) 897-1914, F:(805) 897-2613 e-mail: RBjork@SantaBarbaraCA.gov

### Q4. Project Manager:

**Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.**

Theresa Lancy, Water Resources Specialist City of Santa Barbara Water Resources Division, Public Works Department PO BOX 1990, Santa Barbara, 93102 T: (805) 564-5369, F: (805) 897-2613 e-mail: tlancy@santabarbaraca.gov

### Q5. Additional Information:

**Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:**

[http://www.water.ca.gov/groundwater/groundwater\\_basics/gw\\_contacts\\_info.cfm](http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm)

- 1) ☐ Northern Region
- 2) ☐ North Central Region
- 3) ☐ South Central Region
- 4) ☒ Southern Region

### Q6. Additional Information:

**Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.**

The City of Santa Barbara is seeking LGA funds for development of an AB 3030 Groundwater Management Plan.

### Q7. Additional Information:

**Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).**

The City has collaborated with the USGS on groundwater monitoring and groundwater studies as far back as 1968. This relationship has been maintained through the years, including cooperative agreements to share costs and staff time for long-term monitoring efforts. In addition, the City has partnered with the USGS on the development of the Multiple Objective Optimization Model (MOOM) and is currently funding an update and calibration of this model. In addition, the City has agreed to serve as the monitoring entity for the Santa Barbara and Foothill Basins for the DWR CASGEM program.

Monitoring locations and a work plan were submitted to the DWR in early 2011. The City looks forward to continued participation and support of the CASGEM program. The proposed project builds upon the work completed over the last few years and establishes a framework to continue to improve regional groundwater management in the Basin. These efforts, listed below, demonstrate the interest, support, and continuing commitment of the individual agencies, stakeholders, and interested parties in protecting the Basins' groundwater resources. - 1992 Water Conservation Program (CUWCC BMPs) - 1994 Long-Term Water Supply Program - 2009 USGS Groundwater Monitoring (MOOM Modeling) Contract (attached) -

2010 City of Santa Barbara Urban Water Management Plan (attached) - 2011 City of Santa Barbara Water Management Report (attached) - 2011 Long-Term Water Supply Program (attached) - Annual Water Quality Reports and Newsletters (example Newsletter attached) - City of Santa Barbara - CASGEM Groundwater Level Monitoring Plan (attached) - 2011 Santa Barbara County Groundwater Report (attached) - La Cumbre Mutual Water Company Conveyance Agreement (attached) These studies have resulted in additional groundwater data and a better understanding of the hydrogeologic setting of the Basins. This information will be used in the project to update the understanding of the groundwater resources in the Basins, and incorporate this information into a concise summary to support groundwater management planning efforts, including the continued efforts to investigate conjunctive use opportunities in the Basins with supplies from surface water and SWP.

#### Q8. Additional Information

**Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".**

City of Santa Barbara is providing \$50,000 match from its City Water Fund.

#### Q9. Eligibility:

**List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.**

The City of Santa Barbara is the urban water supplier that will receive funding from the proposed grant.

#### Q10. Eligibility:

**Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.**

The City of Santa Barbara has completed and submitted the 2010 UWMP to DWR. DWR has approved the City's 2010 UWMP.

#### Q11. Completeness Check:

**Have all of the fields in the application been completed?**

Yes

#### Q.11. Completeness Check (cont)

**If no, please explain. If yes, answer this question with "NA".**

N/A

### Section : Application Attachments Tab

#### APPLICATION ATTACHMENTS TAB

##### Attachment 1. Authorizing Documentation

**Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att1\_LGA12\_CityofSantaBarbara\_AuthDoc\_1of1.pdf

##### Attachment 2. Eligible Applicant Documentation

**Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att2\_LGA12\_CityofSantaBarbara\_EligDoc\_1of1.pdf

### **Attachment 3. Status of GWMP**

**Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att3\_LGA12\_CityofSantaBarbara\_GWMP\_1of1.pdf

### **Attachment 4. Project Description**

**Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments:

Att4\_LGA12\_CityofSantaBarbara\_ProjD\_1of2.pdf,Att4\_LGA12\_CityofSantaBarbara\_ProjD\_2of2.pdf

### **Attachment 5. Work Plan**

**Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att5\_LGA12\_CityofSantaBarbara\_WrkPln\_1of1.pdf

### **Attachment 6. Budget**

**Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att6\_LGA12\_CityofSantaBarbara\_BUDGET\_1of1.pdf

### **Attachment 7. Schedule**

**Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att7\_LGA12\_CityofSantaBarbara\_SCHED\_1of1.pdf

### **Attachment 8. Quality Assurance**

**Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att8\_LGA12\_CityofSantaBarbara\_QA\_1of1.pdf

### **Attachment 9. Past Performance**

**Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att9\_LGA12\_CityofSantaBarbara\_PERFORM\_1of1.pdf

### **Attachment 10. AB1420 and Water Meter Implementation Compliance**

**Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att10\_LGA12\_CityofSantaBarbara\_1420\_1of1.pdf

---